

### **Abstract**

A system for opening and closing a folding top or moveable vehicle roof of a convertible car, with at least one drive means to open and close the folding top or moveable vehicle roof, at least one linear position sensor that senses continuously the position of an element of the folding top or moveable vehicle roof at least over a subrange of its path of movement and, a controller that receives a signal from the at least one position sensor and generates, in consideration of at least one position sensor signal, a signal to actuate at least one drive means, where the linear sensor is arranged in a manner to determine the position of any element of the folding top or moveable vehicle roof relative to another moveable element of the folding top or moveable vehicle roof or to a fixed element relative to the vehicle.